David Henry

From: Evert Talbot [etalbot@jones-hamilton com]
Sent: Wednesday, May 21, 2008 9 06 AM
To: David Henry
Subject: FW Weekly Production Report - May 12-May 17

From: Evert Talbot
Sent: Monday, May 19, 2008 9:25 AM
To: Robert James; Brian Brooks
Subject: FW. Weekly Production Report - May 12-May 17

Below is Vic Forte s report for last week

EVERT

From: Vic. Forte [mailto:vrforte@norphletchem.com]
Sent: Monday, May 19, 2008 9:19 AM
To: Evert Talbot
Subject: Weekly Production Report - May 12-May 17

Summary:

The week of May 12-May 17 was a productive week We loaded several HCL trucks, ran the HF storage tank pump, and started the phase separation lab testing on Thursday We finished cleaning TT-12 and TT-13 from the outside We tested the water flow meter again for HCL loading.

Ronnie got a preliminary drawing from Ram Fab for the liquid phase reactor

We talked with Steve Owens a couple of times, worked on truck scales, and have the scrap copper ready to sell

HCL

Loaded 10 trucks
Unloaded 3 trucks
Unloaded 2 rail cars

Loaded 1 waste water truck

HF Storage Tank

We put the storage tank on circulation so we could catch good clean HF for the lab phase separator testing .We blew the pump and all the lines free of any liquid HF after the pump was shut down We did this to prevent any trapped liquid HF

Phase Separation Testing

We started testing on Thursday and had trouble getting all of the HF and 133a in the test separator We also had trouble with the cooler and scrapped the test after about 4 hours Throughout the day we learned how to load the separator, the amount of time it will take to cool off, etc

Friday we did a 5/1 ratio (HF/133a) cooled to -5 degrees C and started seeing a phase separation It takes several hours to cool down with our cooler When we got down to -15 degrees C, there was a more distinct separation We caught samples on both the HF phase on top and the 133a on the bottom

The HF phase on top had 1 5% 133a in it and the 133a phase on the bottom showed no HF in it It also was a 6 0 P H

We did a third sample on Saturday which was cooled down to a -30 degrees C. The HF on top had about the same amount of 133a in it (1 5% 133a) The bottom layer showed no HF in it and the PH was 6 5

We will start again on Monday.

TT-12 and TT-13.

We finished washing them out the best we could with a fire hose from the man-way This prevented having to get in the tanks with an HF suit on The tanks will still have to be hand cleaned before start-up

Most of the solids were washed down into the waste water sump and will have to be vacuumed out with a vacuum truck

HCL Water Flow Meter:

We re tested the flow meter using the water pump and it again put out 70 gpm We had previously gotten 24 gpm Just using city water

Liquid Flow Reactor

Ronnie and I have been talking with Ram Fab on this Ronnie got a preliminary drawing on the reactor and I had him add a few more nozzles for a press indicator, a temperature indicator, and a level indicator

Steve Owens.

Ronnie and I talked to Steve Owens several times this week, mainly about the lab testing (Dos, Don'ts, and What Ifs)

Truck Scales

We had Systems Scales come in to certify our scales. Arkansas requires this to be done once a year and it had been two years since we had been certified

The scales were reading approximately two hundred pounds light One of the trucks had run over a guide rail and bent it down on top of the scales. The problem has been corrected and we are now certified again

Scrap Copper:

We have all of the scrap copper ready to load and sell We are waiting on a special hopper to be delivered for loading it

For the week of May 20

(1) Work on lab testing
(2) Visit with Ikubo
(3) Ship out 22 totes to Rineco on May 22
(4) Get maintenance truck running
(5) Work on grounds
(6) Start making plans for phase two of start-up